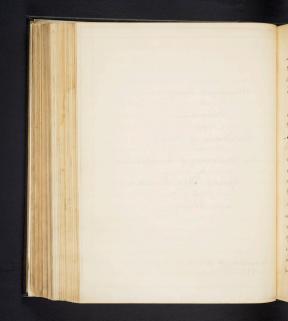
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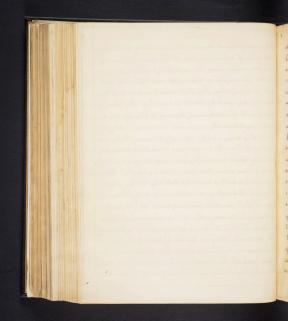
By the term, but on vertex in general hemia; surgeons understand the pretraining of some of the niseries of the absump; into a see, farmed by an elongation of the peritoneurs, propring out of one of the rings of the absormer.

Before describing the cause, and effects of the above disease, I conceive it requisite, to associbe the anatomy of the parts, concerned in this spe-

- eics of harman

Often the integuments of the abdomen are removed, we observe a thing but emplacet that of cellular substance, covering the abdomination musters, which, movem anatomistic have manual the superficient fasting. Boreath this fasters, may be seen an artery termed, arterior and entermable ligarisms from abdominis, paping over Penfacts ligarisms from abdominis, praping over Penfacts ligarisms from a banch of the forward; and from its internal relation with the operating for the above discusses the fractionally well-can in the superting of the parter. Under this fasting lies the lender of the

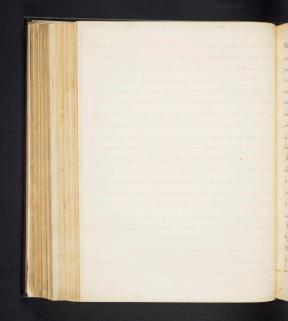
external oblique muscle, the doubling of the lower margin of which constitutes Pourparts ligaments it takes origin from the anterior, superior, spine & of the ilium, and, is inserted into the body and evest of the publis: the last insertion is called gim-- banats ligament; as it approaches this bone, it splits into two columns, leaving a Riangular space between, called the external abdominal ringout of which, emerges the spermatterseads. When the tenden of the above named muscle is removed, we hing itato new the internal oblique musely wich arises from the iliac, a, outer half of Poupart ligament, and; is insuled into the pulle, just ... behind the external addominal ring. Thom the eage of this muscle, in part, arises the dremaster nuscle, which court the Spaniatie cartificanddeseconds with it into the serotung. After removing the internal oblique, we ling into view the .. transversalis muscle, which aires, also, from the iliae half of Confront's ligament, and is also inser-Red into the July, in company with internal



oblique, it does not ever so much of the cord, as the last named muscle. The above named muscles con the abanery, and apist in supporting the riseras; from the manner, in which, the two last are formed, this support would not be sufficient, were it not for an additional structure of condensed cellular substance, interposed between the muscles and periloreum, which is the Jasein Ransversales. In this fascia, about midway between the anterior superior spine of the dium, and symphisis pulis, an opening is made, by the papage of the cock, called, the internal abdominal rung; at the inner side of this ring, we find the epigastic artery; which, therefore, runs between the two abdominal openings. From the above account of the anatomy of the parts, concerned in this disease, it appears, that there two rings on each side of the abdomers, the external, formew by the splitting of the tendor of the external oblique, and the internal, by the above mentioned opening in the faseico trans-

To make this structure more intelligible, it will be necessary to recollect, that these rings are distant from each other, in an adult passons, about one inch and a half, the space between is called the abdominal eanal, for the papage of the Spermatic ends. This each enters the internal ring, Justes obliquely downwards, and bourards, under the edges of the internal oblique, and transvorsalis, until it reaches the external ring, when its course is more perfendicular, paping into the Scroting. If we reflect for a nument, the wason is sempliones, why, the each does not perforate the internal oblique, and transversalis muscles, as, they are deficient a wenting, from the inner back of Bouhart's ligament, to their inscribion. If a dissection be made of the eacings and contents of an inquinal homico, the parts ince be presented in the following order; the integument; the superficial fascia; the exemaster muscles and, the homine sac, which contains the protuded fronts. higuinal harries is more common, than either of the other species; occuring mostly in the male dex:

and also more frequently on the right side it is awrited into reducible, ineducible, and strangulated a inear ecrated. The reducible is that state, in which, the proteuded parts are easily, returned by the patient. By the ineducible, we understand, a premanont proteurious resulting either, from the bulk of the parts, or, from adherious between the blac and its contents. By strangulated, we mean that state, in which, the parts are confined by a Stricture, producting the most alarming symptoms untice that stricture be removed. Homia also receives different appellations, according to the contents of the sac. If it contain intestine, it is called, an entervede: if omentury, epipelvede: and, if both unte to form the tumour, it is styled an entire-- spiplocele. Every homio is furnished with a saw, which is morely an elongation of the peritoneum, purhed before the protection viscus. Surgeons have airiaed it; into the mouth, neach and funday. That portion, communicating directly with the abdomen, is its mouth; the part, immediately surrenound by the parieties of the ring, is called the neach, and,



the lower extremity, its fundry. The earnes of hemie are cities predisposing, or exciting: the former one a preternatural laxily of the parts, and a horestitary conformation. The exciting causes are severe excise; as running jumping lifting a sarrying heavy -weights, a, by vomitting, or long constitutions, or, by blows on the abdomery, also, by steatning at store, partirellenge the these would be more apt to produce a suptime if the abdomers should happen to be distended at the time the injury was received. Symptoms: The reducible harriso may be known, by the tumour being smaller in the recumbent, than in the next portures; by the patients being able to return the producted parts into the abdorners, when placing himself on his back, and by the swelling increasing after eating, or when he is flatelent?. The contents of a requeible harries may be ascertained by the following circumstances; if the surface of the tumour be uniform, and clastic to the louch, if time and enlargests, when the patient coughs, and the contents pap into the abdomin at once,

with a preculin noise, it is then known to be intestino, and, is called an Enterocale. If the tumour, on the contrary, imparts to the fingers a daughy sensation, if flathy, and unevery on the surface, and the parts hab who gradually, and with difficulty, the case may be considered, an Opiplocele. If point the contents thip up with a juggling noise, leaving behind something, which is, with difficulty, returned, then, we shale it, an Enteroffiplocelo. Ingunal herrico may be mistakery for Hydroceles, a fireveclo: it may be distinguished from the farmer, by the tumour always commencing at the lover part of the Scrotting, and, gradually ascending towards the abdominal ring; while herrico, always, commences above, and descends into the scrotum. But, with the latter, a birevecle, our diagnosties are not so clearly pointapout; as the tumour, in entitle, commences above at the ring, and all apprears in the over, but uturns in the weumbant position, the same as reducible hornings, our only augmestic, is , to place the patient in the

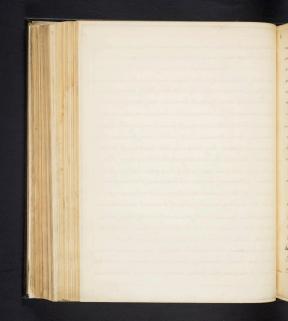
horizontal perture, and empty the scrotung by were directed prefuse, then place a finger furney on the upper hart of the ring, and reguest the patient To vive; if it be harnow, the tumour count realition; butich enquele, the swelling returns with increased sie; croing to the return of blood into the abdomen through the veins bijugherented by the prefuse. An ineducible hornico may be ascertained, by the patients not being able to return the protecting party, either, from the adhesions between the sac and its contents, or from an enlargement of the protended parts. The hympitons of strangulated having are, generally, very strongly market; such as , tickness of the stomach , pain , in the ababiners, retching, and vomiting, hierop, and a severe pains in the tumow. In the more notent cases, bilings and storenactory matters are thrown up, with a quick hard and corded Julle, longue various, sometimes funeap, at others, clean and natural. If the sticture is not speedly removed, the verniling is exchanged for a convulsive singultry, and the Jule becomes small thready and interrupted;

the skin is cold and most; the eyes have now a languist and glasy appearance, and the whole aspect of the ... countenance is changed; the pair is the tumoior subsides; the skin loses its natural colour, and becomes lind; and the patient flatters himself, that a spore tamous eure has taken place; but, this pleasure is of short duration, for the singultary and cold sweats increasing with ridence, death som closes the haging. the are very frequently deceived by patients, particularly females, deinging the existence of any tumous, and, are led to believe the aiscase to be colies, such is the similitare between this affections and inquince hermio, that, when we are entered to a pratient labouring under severe pairs in the abdomer, attended by sickness and remitting, which do not yell to affrohish remedies, we ought always to suspect herning, and request an examination, and not unfrequently, a conecated tumour will be detected. Patients, very prequently, have a discharge from their bowels some after the party become strongulatory, which may lead us to believe, the intestine has slipping into the

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abdoning but this is nothing more than the discharge of the fever contained below the stretund part. Treatment

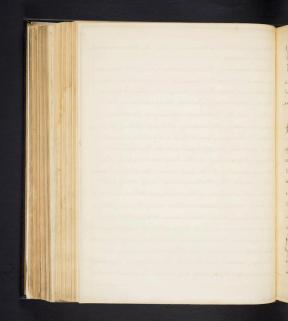
The only treatment, to be relied on in a reducible haming, is a trup, made either by Mr. Wight of Sircefiol, or me There of new york, to be worn day and night. The treatment in inconcible harmin is, much to support the prokuded part from hanging down, and becoming more inconvenient; which may be accomplished. by an appropriate bag Prup. In the treatment for Stran gulated hornes, the primary object is to replace the protended party as som as popilles when called to a pallent laboring under this disease, we must be quided by the present symptoms and appearances. If it be a strong aduct patient, I would recommend remercation, immediately, and copiously; then, make use of the terris, which is nothing but appropriate performe with the fungery, and renformed they: After placing the patient in the recumbent portine, with his head shouldery and knew clevatory, and his thighs flexed on the Julis, so as to relax the abdominal



museles and fasciw; then embace the tumour with one hand, while, with the thursh and finger of the other places of just above the ring, move them from side to side, knowcing gently, in a manner, the Puman, and, at the same time, make goulle but steady profine, with the first mentioned hand; there effect must be make in the course of the canac, which is upwards and out -ward; are this not succeeding in the course of thirty minuty, Iwould next put the patient in the warms bath, and after he had remained some length of times in that structione, then resume the lases while the patient is stee in the bath, This also failing, the mest step is, to apply color application to the lumon, the best-of which, is provonded iew, placed in a bladder, and put on the tumour, taking care not to peace the parts, this not being convenient; we might substitute the providered muriate of ammonies, and nike, and 3 to do of water, this application is to be made, with clothes dispect in this solution, and prequently applied to the tumous, then resume the above mentioned takis; this not succeeding, I would recommend the operation,

believing it to be less dangerous than the tobacco onema, if early resorted to.

Before describing this operation, perhaps it may not be amif to give the ancient method; He are tolog by Amang, and Heister, that, in the time of belong, the surgeons never performed the operation without cutting out the testitle, or injuring its function. Some surgeons, after entering with one stoke of the knife down to the sae, would fup a ligative around it, and cut the sac off , together with the testiles. Others, after cutting to the sac, would apply the actual eartery to the part where the intestine came out, to unite the serotum and pulis every logather, & to present a return of the rupture. Others would feel a large needle, armed with a strong ligature, through the scrotum, and then, placing to upon the upper and superior end a large piece of wood, draw the ligature tight- around the whole, every day untile the harts sloughese off. Others, after cutting into the sac, would fee it with the whites of eggs, and continue so to do , every day untill the wound healeds

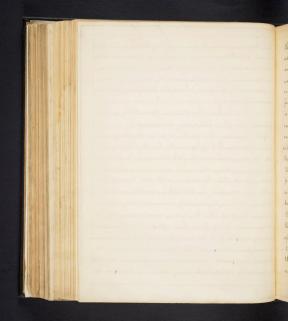


Yet nature, industrianding all these ence any howh operating, under sometimes, perform a cure. But surgery of the present age is funded on anotheries knowledge, and the operating are performed, by a muce scientific shillfuganaphumane hange.

The modern operations is per-

famed in the following manner.

After placing the peatent on a nance take of a convenient-height with his less beautying over it eags, and each foot place in a chair, the surgeon, take the most exmeniant-station, among spales the turnous with one hange them with the seafule in the other, make an initial through the integument, emancing at the upper part of the turnous, and extending it carminosals to be be always in a confull manner by succept the most of the lunge, in a confull manner by succept the most of the lunge, in account the foreign the small of the lunge, in account to the success the small cultination of the lunge, in account of the success the small cultination of the lunge, in account of the success the small cultination of the lunge, in account of the success the small cultination of the lunge, in account of the second of the success the small cultination of the lunger.



the hommonhage should always be commanded as we proceed: This bings us to the bromustor muscle, the files of which are to be cone fully ent until we arise at the sac, by junching them up with our fingers, a forceps, and aimaing its fines with the linite. The next step of the operation is to be performed, by separating the sace from the intertine, and making a horizontal inection; at which a quantity of fining generally excapes, about either intestine, or omentum, or both appear at the worman, this opening is to be enlarged, and the protected parts examined, and if found ina proper conditions to be returned into the abdomen; a finger of either hand may be introduced between the sac and protended parts, to search for the stricture, which will either be founder at the external ring, the internal ring, or the mouth of the sace after ascertaining the point of thicture, sometimes, by appropriate prefine with the fungers, the protended part may be utamed without aimaing the stricture.



But, if this fail, the Rugean introduces a probe pointed listory on his finger, with the flat-side between the sac and its contents, untile it reaches the stricture; he then turns up the cutting eage of the instrument, and aimags the it Stricture directly whereands, to avoice the Chigastic artery; sometimes, a very small incisen will be sufficient, to liborate the party. As soon as this is accomplished, gentle and appropriate pacfure will restore the protocoles party, unless, the intestine be confined by a members of band; in that care, the gut shaded be arisem down, and the banco ecrefully dinders. The integrining are to be laught together, and retained by adherive plaster, and a recumbent porture to be strictly enjoined during the eure; after which, a trus is to be even unstruly, to perent a return of the party. Some Singeons recommend the trus to be put on during the healing of the worney, to you the sing of the Sac together, and present a return of the harrison. afterwards. If the patient remains costive, some

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gentle lasative may be given, and its operation apister by a mile glyde.

the shawer not using the operation to long on general rule, twelve hears one sufficient to try are the preceding armostic; asso, the mater the hernic, the more ideal; the symplotry, and the greater the anger of actors, mithe shawo we be accessively a visionary of fewers or flering, may flatter currely, a the patient, that the structure has given very shrutarionish as this is the centure of the intesting below the strictures has judiced is aircharge by the strictures has the stricture.

